


AMENDMENTS TO THE CLAIMS:

Claim 1. (Previously presented) A data storage device comprising:

 storage means, installed in a housing, for storing predetermined confidential data;

data generation means for generating data representing deflection of said housing in which said storage means is installed; and

detection means for detecting physical impact applied to said housing in accordance with the data generated by said data generation means.

Claim 2. (Previously presented) A data storage device comprising:

storage means, installed in a housing, for storing predetermined confidential data;

data generation means for generating data representing deflection of said housing in which said storage means is installed;

detection means for detecting physical impact applied to said housing by specifying the deflection of said housing in accordance with the data generated by said data generation means; and

data cancel means for canceling the confidential data stored in said storage means when said detection means detects physical impact applied to said housing.

Claim 3. (Previously presented) The data storage device according to claim 1, further comprising:

measure means for measuring temperature in said housing in which said storage means is installed; and

correction means for correcting the data generated by said data generation means in accordance with the temperature measured by said measure means,

wherein said detection means detects the physical impact applied to said housing in accordance with the data representing the deflection after the correction by said correction means.

Claim 4. (Previously presented) The data storage device according to claim 2, further comprising:

measure means for measuring temperature in said housing in which said storage means is installed; and

correction means for correcting the data generated by said data generation means in accordance with the temperature measured by said measure means,

wherein said detection means detects the physical impact applied to said housing in accordance with the data representing the deflection after the correction by said correction means.


Claim 5. (Currently amended) A data storage device comprising:

a memory, installed in a tight housing having predetermined shape, for storing predetermined confidential data;

a plurality of electrodes, arranged in said housing in which said memory is installed, for generating predetermined capacitance; and

a detection processor for detecting a deflection of physical impact applied to said housing in accordance with shift degrees of the capacitance at said electrodes.

Claim 6. (Previously presented) A data storage device comprising:

 a memory, installed in a tight housing having predetermined shape, which stores predetermined confidential data;

a plurality of electrodes, arranged in said housing in which said memory is installed, which generates predetermined capacitance;

a detection processor which specifies deflection of said housing in accordance with shift degrees of the capacitance at said electrodes to detect physical impact applied to said housing; and

a data canceler which cancels the confidential data stored in said memory when said detection processor detects the physical impact applied to said housing.

Claim 7. (Previously presented) The data storage device according to claim 5, further comprising:

a thermo-sensor which measures temperature in said housing in which said memory is installed; and

a correction processor which corrects the shift degrees of the capacitance at said electrodes in accordance with the temperature measured by said thermo-sensor,

wherein said detection processor detects the physical impact applied to said

housing in accordance with the deflection of said housing after the correction by said correction processor.

Claim 8. (Previously presented) The data storage device according to claim 6, further comprising:

a thermo-sensor which measures temperature in said housing in which said memory is installed; and

a correction processor which corrects the shift degrees of the capacitance at said electrodes in accordance with the temperature measured by said thermo-sensor,

wherein said detection processor detects the physical impact applied to said housing in accordance with the deflection of said housing after the correction by said correction processor.

Claim 9. (Currently amended) A detection method comprising:

generating data representing deflection of a housing in which a storage device for storing predetermined confidential data is installed; and

detecting a deflection of ~~physical impact applied to~~ said housing in accordance with the data generated by said generating data.

Claim 10. (Previously presented) A detection method comprising:

generating data representing deflection of a housing in which a storage device for storing predetermined confidential data is installed;

measuring temperature in said housing in which said storage device is installed;

correcting data generated by said generating data in accordance with the temperature measured by said measuring temperature; and

detecting physical impact applied to said housing by specifying the deflection of said housing in accordance with the data representing the deflection of said housing after correction by said correcting data.

Claim 11. (Currently amended) A detection method comprising:

measuring capacitance at a plurality of electrodes arranged in a tight housing in which a memory for storing predetermined confidential data is installed; and

detecting a deflection of ~~physical impact applied to~~ said housing in accordance with shift degrees of the capacitance measured by said measuring capacitance.

Claim 12. (Previously presented) A detection method comprising:

measuring capacitance at a plurality of electrodes arranged in a housing in which a memory for storing predetermined confidential data is installed;

measuring temperature in said housing in which said memory is installed;

correcting the capacitance measured by said measuring capacitance in accordance with the temperature measured by said measuring temperature; and


detecting physical impact applied to said housing by specifying deflection of said housing in accordance with shift degrees of the capacitance after the

correction by said correcting the capacitance.

Claim 13. (New) A data storage device comprising:

a data storage in a housing;

a plurality of electrodes arranged in said housing; and

 a processor that determines a deflection of said housing based upon a capacitance between the plurality of electrodes.

Claim 14. (New) The device of claim 13, further comprising a temperature sensor that sends a temperature signal to said processor.

Claim 15. (New) The device of claim 14, wherein said processor adjusts the determined deflection based upon said temperature signal.

Claim 16. (New) The device of claim 13, wherein the data storage stores confidential data.


Claim 17. (New) The device of claim 16, wherein said processor controls said data storage to erase said confidential data when the determined deflection exceeds a predetermined range.

Claim 18. (New) The device of claim 13, wherein said processor comprises:

a data management processor that manages data stored on the data storage and further

determines said deflection of said housing; and

a main processor that controls said data management processor.

 Claim 19. (New) The device of claim 18, wherein the data management processor is responsive to a deflection that exceeds a predetermined reference value to destroy data stored on the data storage.

Claim 20. (New) The device of claim 13, wherein said processor determines said deflection based upon a change in capacitance between two of the plurality of electrodes.
